

Patent Abstracts of Japan

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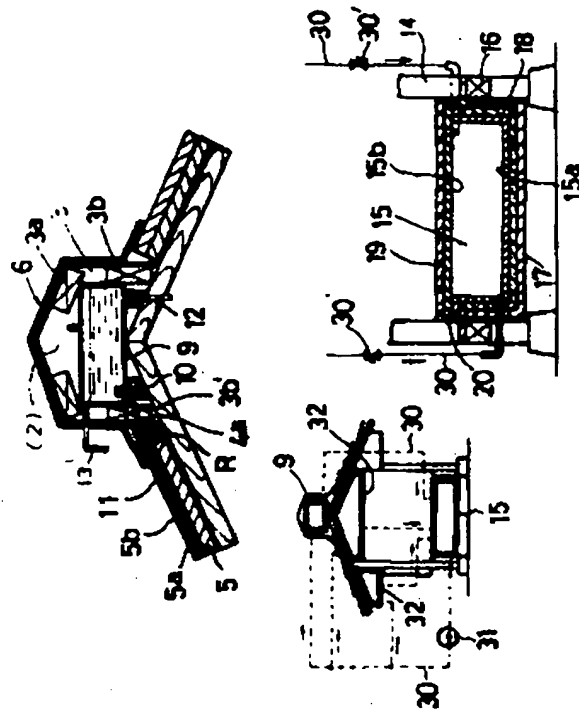
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TITLE : FLOOR STRUCTURE OF BUILDING
FOR SOLAR HEAT COLLECTION TYPE



ABSTRACT : **PURPOSE:** To improve the appearance in such a manner that a hot water facilities of solar heat collection passing through and emerging from a roof is hidden from outside by a method wherein a living floor is placed on a hot-water storage tank located under a building floor, while a circulating water system, receiving solar heat, is positioned above the hot-water storage tank located under the roof.

CONSTITUTION: Hot-water storage tank 9 for water heating is mounted in a space in a frame provided between beams located along the lengthwise direction of a ridge at the inside of a metal-covered ridge 6 of a roof. One end of a heat pipe 11 incorporated in a tile 5a is situated on the hot water storage tank 9, and connected to a hot water feed pipe 12 and a water feed pipe 13. A second hot water storage tank 15 is positioned under a building floor, and a body 15a thereof is mounted on a tank seat 17 through the medium of an insulation material 18. Carpets or tatamis (Japanese mattress) 19 are laid on an upper surface of a metal cover 15b above the body 15a, and thereby it enables heating. Said tank 15 is connected to the hot water storage tank 15 with a coupling pipe 30 through a valve 30', and hot water can always be circulated with a pumping device 31 being actuated.

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